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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/629,796	07/30/2003	Jae-Hwan Park	05823.0249	9431
22852 759	90 01/19/2006		EXAMINER	
FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER			VANOY, TIMOTHY C	
LLP				
901 NEW YORK AVENUE, NW			ART UNIT	PAPER NUMBER
WASHINGTON	WASHINGTON, DC 20001-4413		1754	
			DATE MAIL ED: 01/10/2004	_

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
Office Action Summer.	10/629,796	PARK ET AL.					
Office Action Summary	Examiner	Art Unit					
	Timothy C. Vanoy	1754					
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the d	orrespondence ad	idress				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DATE of time may be available under the provisions of 37 CFR 1.1: after SIX (6) MONTHS from the mailing date of this communication.  If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin vill apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	N. nely filed the mailing date of this c D (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on	<b>_</b> •						
2a) ☐ This action is <b>FINAL</b> . 2b) ☐ This	☐ This action is <b>FINAL</b> . 2b)☐ This action is non-final.						
•	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 49	53 O.G. 213.					
Disposition of Claims							
4)⊠ Claim(s) <u>1-16</u> is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.							
•	6) Claim(s) is/are rejected.						
7) Claim(s) is/are objected to.	plantian requirement						
8)⊠ Claim(s) <u>1-16</u> are subject to restriction and/or €	election requirement.						
Application Papers							
9)☐ The specification is objected to by the Examine	r.						
10)☐ The drawing(s) filed on is/are: a)☐ acc							
Applicant may not request that any objection to the			ED 4 404(4)				
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	- · · · · · · · · · · · · · · · · · · ·						
	ammer. Note the attached Office	Action of form 1	10-102.				
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a	)-(d) or (f).					
a) All b) Some * c) None of:	- h h						
<ol> <li>Certified copies of the priority document</li> <li>Certified copies of the priority document</li> </ol>		ion No					
3. Copies of the certified copies of the prior			Stage				
application from the International Bureau	•	ya iii alio i talloria.	- Clago				
* See the attached detailed Office action for a list	, ,,	∍d.					
Attachment(s)							
1) Notice of References Cited (PTO-892)	4) Interview Summary						
<ul> <li>2) Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)</li> </ul>	Paper No(s)/Mail D 5) Notice of Informal F		O-152)				
Paper No(s)/Mail Date	6) Other:						

## Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

 Claims 1-11 (group I), drawn to a method for fabricating ZnO, classified in class 423, subclass 622.

II. Claims 12-16 (group II), drawn to an apparatus for fabricating ZnO, classified in class 422, subclass 129+.

The inventions are distinct, each from the other, because of the following reasons: The inventions set forth in claims 1-11 (group I) and claims 12-16 (group II) are related as process and apparatus for its practice. The inventions are distinct if it can be shown that either: (1) the process as claimed can be practiced by another materially different apparatus or by hand, or (2) the apparatus as claimed can be used to practice another and materially different process. (MPEP § 806.05(e)). In this case, the apparatus as claimed can be used for another and materially different process such as a process for heating a gas.

Because these inventions are distinct for the reasons given above and the claims set forth in groups I and II have acquired a separate status in the art as shown by their different classification; the search required for any selected group of claims is not required for the other non-selected group of claims, and the claims set forth in groups I and II have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

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The applicants are advised that in order for their reply to this requirement to be considered complete, it must include an election of the invention to be examined - even though this requirement may be traversed (37 CFR 1.143).

The applicants are reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Timothy C. Vanoy whose telephone number is 571-272-8158. The examiner can normally be reached on Mon-Fri 8-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stanley Silverman can be reached on 571-272-1358. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Timothy C Vansy Timothy C Vanoy Patent Examiner Art Unit 1754

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